19980613.qrp v01_n121.qrs.980613

Date: Sat, 13 Jun 1998 19:03:08 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1121

QRP-L Digest 1121

Topics covered in this issue include:

  1) [13023] Solar: Weekend Report
     by Paul Harden <pharden@aoc.nrao.edu>
  2) [13024] Re: [12946] Re: Operating from far away lands and misc.
     by Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
  3) [13025] WANTED!!! TENTEC 290 STEP ATTENUATOR
     by "Alan H" <tentec@hotmail.com>
  4) [13026] SG-2020 REVIEW (more)
     by Ed Tanton <n4xy@att.net>
  5) [13027] Re: [12978] Re: Why not FT 243 xtals
     by Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
  6) [13028] SG-2020... 2 minor points
     by Ed Tanton <n4xy@att.net>
  7) [13029] Fwd: FS: OHR QRP Classic 40/20m
     by Ken Graham <k5id@ipa.net>
  8) [13030] SG-2020-on ~7040 & ~7018
     by Ed Tanton <n4xy@att.net>
  9) [13031] Re: Not QRP, but have a laugh anyway!
     by Ab7wy@aol.com
 10) [13032] 160 Meter QRP
     by Jade Account <jadepro@jadeprod.com>
 11) [13033] FS: FT-301D staton & NC-40A
     by k7sz@juno.com (Rick Arland)
 12) [13034] Re: Solar: Weekend Report
     by B1ljohn@aol.com
 13) [13035] Tixie Fix
     by K2UD@aol.com
 14) [13036] 160 Meter Slinky Dipole....
     by Dave Willey <dave@cds1.net>
 15) [13037] Re: [Antennas] Smith Chart
     by Ed Tanton <n4xy@att.net>
 16) [13038] Re: Solar: Weekend Report
     by Ed Tanton <n4xy@att.net>
 17) [13039] Re: Not QRP, but have a laugh anyway!
     by Ab7wy@aol.com
 18) [13040] 28 gauge breast test
     by N5FOS@aol.com
 19) [13041] Re: Sierra final results

by "Hugo W. Catta" <hugo@banet.net>
20) [13042] Dan adds more STUFF to his SALE
by Jerry Parker <jparker@fix.net>
21) [13043] FS: Dremel MultiPro
by "Robert Andrew Bell" <rbell@uniserve.com>
22) [13044] QRP travel radio
by "Robert Andrew Bell" <rbell@uniserve.com>
23) [13045] J310
by marion@montana.com
24) [13046] Life's too short for QRO
by "Harvey D. D. Hetland" <n6mm@earthlink.net>
25) [13047] Re: 28 gauge breast test
by Henry Freedenberg <henryf@quartz.gly.fsu.edu>
26) [13048] More on have a laugh anyway
by Mel Evans <MelEvansGM6JAG@compuserve.com>
27) [13049] International QRP Day
by "Frank G3YCC" <g3ycc@g3ycc.prestel.co.uk>
28) [13050] Hi from Southwest France
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
29) [13051] FS: Midland 13-509 & Tempo S-2
by k7sz@juno.com (Rick Arland)
30) [13052] WTB: HTX-100
by aa5yx@juno.com (John Harper)
31) [13053] QRP-L Spirit
by "Steve Galchutt" <n0tu@webaccess.net>
32) [13054] Re: 28 gauge breast test
by d.nordquest@juno.com
33) [13055] Antenna Questions
by jalbertin@juno.com (Jerry Albertin)
34) [13056] QRP Now! and Keys II The Emporium
by Jess Gypin <jessqrp@concentric.net>
35) [13057] Re: Wattmeter options? SGC2020 seen on rec.radio.swap
by Dick G0BPS <G0BPS@kanga.demon.co.uk>
36) [13058] Re: 28 gauge breast test
by adams@chuck.dallas.sgi.com (Chuck Adams)
37) [13059] re: Tuned ground systems
by ka1iic <ka1iic@ime.net>
38) [13060] QRPp Family Service Radios
by Terres Family <terresfm@ncia.net>
39) [13061] tuning aid for blind operator
by Ron Keener WA0REE <rkeener@realtime.net>
40) [13062] Not QRP, Telephone wiring question
by Monte Stark <ku7y@dri.edu>
41) [13063] FD-98 & the QRP Commandos
by k7sz@juno.com (Rick Arland)
42) [13064] Re: Hi from Southwest France
by Vic Rosenthal <rakefet@rakefet.com>
43) [13065] Re: Life's too short for QRO

by Vic Rosenthal <rakefet@rakefet.com>
44) [13066] Re: 28 gauge breast test
by Chris Trask <ctrask@primenet.com>
45) [13067] Smithchart
by adams@chuck.dallas.sgi.com (Chuck Adams)
46) [13068] Re: 160 Meter QRP
by SEAB&SHARON LYON <SSLYON@worldnet.att.net>
47) [13069] KnightLites SMiTe Transceiver
by k7sz@juno.com (Rick Arland)
48) [13070] Freq. Display with MFJ-9040 - How?
by "Robert H. Sorge" <rsorge@phoenix.net>
49) [13071] A sincere apology.
by N5FOS@aol.com
50) [13072] Re: 28 gauge test
by "Bruce R. Arnold" <barnold@coastalnet.com>
51) [13073] Re: 160 Meter QRP & KITES
by SEAB&SHARON LYON <SSLYON@worldnet.att.net>
52) [13074] Humour
by adams@chuck.dallas.sgi.com (Chuck Adams)
53) [13075] Cushcraft A44911S Antenna Radiation Pattern
by "Tom Russel" <trussel@mailhub.exis.net>
54) [13076] Re: Tuned ground systems
by "Harvey D. D. Hetland" <n6mm@earthlink.net>
55) [13077] Re: More on have a laugh anyway
by "Frank G3YCC" <g3ycc@g3ycc.prestel.co.uk>
56) [13078] some what communications related
by RangerSF5@aol.com
57) [13079] Caravan Adventures of Mel, GM6JAG
by af852@rgfn.epcc.edu (William R Colbert)
58) [13080] Re: More on have a laugh anyway
by Ab7wy@aol.com
59) [13081] Re: A sincere apology.
by Ab7wy@aol.com
60) [13082] TS-130S followed me home.
by Michael Neverdosky <MichaelN@cycat.com>
61) [13083] Re: 28 gauge test
by "Jay Heffner" <cjayheff@erols.com>
62) [13084] Re: Not QRP, Telephone wiring question
by jim <kw3u@warwick.net>
63) [13085] ATTN. W8ERV !!!
by "Steve Hurst" <shurst@magiclink.com>
64) [13086] Re: 28 gauge test
by Bob Patten <n4bp@bc.seflin.org>
65) [13087] 28 Mhz beacons
by n4so@juno.com (charles k brown)
66) [13088] 6 meter QRP vote with your fists
by Jim <kj5tf@madisoncounty.net>
67) [13089] TUNED GROUND RESPONSE

by ARDUJENSKI@aol.com

Date: Fri, 12 Jun 1998 17:18:14 -0600 (MDT)
From: Paul Harden <pharden@aoc.nrao.edu>
To: qrp-l@Lehigh.EDU
Subject: [13023] Solar: Weekend Report
Message-ID: <Pine.SOL.3.91.980612165951.7198A-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The sun is fairly quiet ... solar flux 112, A-index 8 ... life is good. Should be a good weekend on the bands. Check 10M and 15M during daylight hours for openings. (I.e., call CQ now and again if no activity heard).

Some active areas are rotating into view, but nothing to suggest any imminent solar disturbances. Of course, there's always the slight chance of an extreme long duration X-class flare that could change life as we know it on our planet. In such case ... I'd be wrong. Sorry.

> JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
> SDF NUMBER 163 ISSUED AT 2200Z ON 12 JUN 1998

> IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 11/2100Z
> TO 12/2100Z: SOLAR ACTIVITY WAS LOW. REGION 8240 (S24W82) PRODUCED
> MOST OF TODAY'S OCCASIONAL C-CLASS EVENTS. THIS REGION SHOWED BRIGHT
> H-ALPHA PLAGE AND SOME INDICATIONS OF GROWTH DURING THE PAST 24
> HOURS.

H-alpha plage, are concentrated areas of hot hydrogen. "Hot spots" on the sun's surface are another indication of an area that might possibly become active, especially if it starts developing a strong localized magnetic field.

> NEW REGION 8243 (N18E75) ROTATED PARTIALLY INTO VIEW TODAY AS
> A SINGLE SPOT WITH PENUMBRA.

And just behind region 8243 is region 8240, which caused all the intense activity in early May, and a large CME just as it rotated past the west limb 2 weeks ago. It will be rotating into view within the next 24 hours. This is significant only in that *if* still active, it *could* produce some large M-class flares while on the visable side of the sun.

The single spot with penumbra ... penumbra (small fingerlike filaments flowing outward from a spot) is usually associated with a developing magnetic field. In other words, it suggests that it's magnetic field

is connected to another spot group not yet rotated into view.

So there are two sunspot groups with the *potential* of causing some
activity over the next two weeks, although current data shows likely
nothing imminent.

> IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW.
> THERE IS A SLIGHT CHANCE, HOWEVER, FOR AN ISOLATED M-CLASS EVENT
> FROM REGION 8240 OR 8243.

For reasons described above.

> IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 11/2100Z TO 12/2100Z:
> THE GEOMAGNETIC FIELD WAS QUIET WITH THE EXCEPTION OF A BRIEF
> SUBSTORM PERIOD FROM 04-06Z. THE ENHANCED ACTIVITY FROM 04-06Z
> RESULTED IN ACTIVE LEVELS AT MID-LATITUDE AND MINOR STORM LEVELS AT
> HIGH LATITUDES.

Since the brief storming session is not elaborated upon, it was
probably just due to a sudden surge in the solar wind.

> IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
> EXPECTED TO BE QUIET TO UNSETTLED FOR THE NEXT THREE DAYS.

> IV. PENTICTON 10.7 CM FLUX
> OBSERVED   12 JUN 112 <------------ Solar flux is climbing
> PREDICTED   13 JUN-15 JUN 110/110/115 <---- back up there slowly
> 90 DAY MEAN   12 JUN 110

> V. GEOMAGNETIC A INDICES
> OBSERVED AFR/AP 11 JUN 007/008 <----------- and geomagnetic field
> ESTIMATED AFR/AP 12 JUN 009/010   is quiet
> PREDICTED AFR/AP 13 JUN-15 JUN 010/010-005/012-005/008

Have a good weekend, y'all!
(HamCom accent still lingering on)

Paul NA5N

Date: Fri, 12 Jun 1998 16:24:57 -0700 (PDT)
From: Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
To: flydnq7x@primenet.com
Cc: nestoji@home.com, qrp-l@Lehigh.EDU
Subject: [13024] Re: [12946] Re: Operating from far away lands and misc.
Message-ID: <199806122324.QAA06328@netcom16.netcom.com>

> Date: Thu, 11 Jun 1998 20:54:14 -0700 (MST)
> From: flydnq7x@primenet.com (Floyd Smithberg)
>
> >Here's the query: in today's weird world of callsigns, where does one find
> >the numeric part of the prefix? For example, is London "G3"? My new
> >reciprocal UK license based near London is "M0BRQ".
>
> Just returned from England yesterday operating as M/NQ7X. I chose to use the
> temp license rather than the permanent to be more distinctive for the WPX
> contest.

If you actually operated as M/NQ7X, you were in error, it should have
been M0/NQ7X.

The numeral in UK callsigns indicates CLASS OF LICENSE, not location,
currently M0 means class A, M1 means class B. The optional second
letter of the callsign indicates location (no second letter means
England (although I have an old license that says GE0/N6TQS, issued
incorrectly) M means Scotland ie MM0, W means Wales, etc.) You may
have to change callsigns in the middle of a QSO if you're mobile. You
may also keep your class B callsign, and use it, if you're willing to
pay the extra 15# that year, as well as your class A callsign.

And in the UK /QRP is definitely not allowed.

If you're operating overseas, it's a good idea to find out all the
rules for the country you're in, otherwise you can do a lot of damage
to the image of hams in general and people from your home country.

73, doug

N6TQS/M1AVX/M0BPI

Date: Fri, 12 Jun 1998 16:51:26 PDT
From: "Alan H" <tentec@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [13025] WANTED!!! TENTEC 290 STEP ATTENUATOR
Message-ID: <19980612235126.8822.qmail@hotmail.com>
Content-Type: text/plain

WANTED TEN TEC MODEL 290 STEP ATTENUATOR FOR THE ARGO II..ALAN

_____
Get Your Private, Free Email at http://www.hotmail.com

Date: Fri, 12 Jun 1998 20:06:06 -0400
From: Ed Tanton <n4xy@att.net>
To: QRP-L Reflector <qrp-l@Lehigh.EDU>
Subject: [13026] SG-2020 REVIEW (more)
Message-ID: <3.0.5.32.19980612200606.00b8e890@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Well... I had to shut down the cpu due to a storm, and when my son booted the thing it appears EUDORA went ahead and sent it. Having read it just now, I think maybe it said enough anyway!

I've made plenty of QSOs with it. I did my best to illustrate the IF feedthru problem to my friend Randy, K4ODL when he was over yesterday, but on a hot 20M band, it took a while-and even then it was tough to find. It is nowhere near the problem that I think was implied. Yes it will do it, typically on signals LOWER in frequency, but-as I said in part 1-all you have to do for most signals is turn the RF Gain down a little. I had Randy listen in another room to the chirp, and his reply was that it was barely there, and trivial. Of course all of this is anecdotal, but this is a heckuva rig for $625.00.

Faults:

1. The IF thing. It has a 7 pole 60MHz xtal filter, so it's not that. Its front end is broadbanded, so maybe it's there. I don't know. Should they work on fixing it? Absolutely. Would I RETURN this unit, and then a second one for doing it? No way. I can find the RF Gain even in the dark. (The QRP+ had an attenuator to serve the same function.)

2. The chirp. As I said earlier, ANY chirp needs fixing. That said, there's chirps and there's chirps. This is not something to lose any sleep over. It too should get some attention, and will probably get fixed in time. It is absolutely no big deal.

3. The missing tilt bail. "The what?" you say. On the QRP+ there was one (!!) front foot... which worked inadequately as a front tilt bail to angle the front of the xcvr upwards, towards the operator. I find this to be THE most serious deficiency. Even for that paltry $625 they ought to be able to add a stiff piece of bent wire. I am using a 2 inch (thick) nut I got from Mendelsohn several Daytons ago figuring there'd be SOME use for it. I have stuffed an upsidedown rubber foot with a cone on it (that normally sticks

up through a chassis) into the hole in the nut, and that's doing pretty well. I had been wondering what kind of package to put my LDG QRP Autotuner in... now I know: about 2 inches high, and the width of the '2020 tilting backwards! It'll work like a champ.

One thing I did not address in part 1 was the relay clatter. Yes it does. But as Tommy Lee Jones said in "The Fugutive": "I don't care!!!" It is not overpowering to the speaker audio-and since it is only noisy when you're changing between TX and RX you're not really trying to hear anything else anyway. And you cannot hear it with fones on. I don't like PIN diodes. They are THE most likely thing to be popped in a non-working TR-7... et al. For the remainder of you who say the same thing about T/R relays, all I can say is that in 37 years of operating I have had one problematic one, and that responded to a little contact repair diamond file, and was definately NOT switching QRP. Properly designed and utilized, they just aren't that much of a problem. (Although judging by the number of entries I read on the boat anchor reflector, KWM-2 relays ARE a problem, as are T4X-whatevers to a lesser degree.) But not that many, not that often, otherwise.

There were also some comments on breakin. The Ten Tec OMNI VI (and I understand the OMNI V was even better-I cannot imagine how, as good as mine was) I used to have had the BEST genuine FULL BREAK-IN I have ever heard. Basically, my sidetone sounded more like just another loud signal in the audio stream. I could hear-probably-in between character parts-or it seemed like it. Everything else I have ever owned had SEMI-breakin. That is where you can only hear between characters, and sometimes worse-depending on the rig and the timing and the AGC and the sidetone thump. Lot of parameters there to get right. Well, on the SG-2020 you CAN hear between characters just fine. The thumping/whatever is not attrocious or anything, and not-un-pleasant to operate. It isn't what I call full breakin, but it's certainly good enough for me. Basically, a dot or dash -or preferably a string of 3 or 4-IS going to get my attention with no problem. As with the relay noise and the 100Hz comments, I don't understand their problem(s).

Obviously I really like this rig. I don't feel I am blind to its faults, but do not consider those faults that serious, considering it is a new rig and only costs $625.00. There is no way any competing rig will beat the case. Wow. They may equal the case, but it's something very tough-and looks good too.
The button ergonomics are better than the QRP+. You start a QSO in XCV, and as soon as you make contact switch to RIT... then you can tune the rcvr around all you like. A push on the REV button tells you the TX freq. It does some scanning stuff but I never use that kind of thing. It tunes to any freq you want within it's range, and one jumper enables full tx as well for MARS/whatever. I think that's an invitation to disaster unless you HAVE to have it for MARS.

As far as SSB is concerned, I made several contacts with it, got GREAT

reports, and am impressed with the processor's punch. Seems to put out plenty of RF without being too much.

My bottom line with anything is would I buy another? Absolutely. It does indeed have its faults, but they are minor, and not nearly deserving of the criticism I have seen here. It needs some attention in the areas I have outlined, but as it is it is a fine QRP rig.
73

____
Ed Tanton   N4XY   EMAIL: n4xy@att.net
189 Pioneer Trail
Marietta, GA 30068-3466   TEL: (770)579-3933 V/MBX/FAX
____
INTERESTS: QRP   BoatAnchors   Test Equipment   Photography
CW: 99.9%   Mercury Paddle # 0214   QRP to 150W: 95%
~~~~~~
"Think you can, think you can't: either way you're right!"   Henry Ford
~~~~~~

Date: Fri, 12 Jun 1998 17:16:28 -0700 (PDT)
From: Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
To: qrp-l@Lehigh.EDU
Subject: [13027] Re: [12978] Re: Why not FT 243 xtals
Message-ID: <199806130016.RAA29064@netcom4.netcom.com>

(sacrifice to the not-very-clever list processor software)

> Date: Fri, 12 Jun 1998 12:56:11 EDT
> From: kh6b@juno.com (Dean W Manley)
>
> Recent talk about FT243 crystals seem to be attached to memories of
> vintage equipment. A friend, Scott WH6AVF,has an Heath HW-16 and
> needed a crystal in a FT243 holder for our local net frequency.
> I "emptied" the holder of its contents, an out-of-band piece of quartz.
> I then installed inside the FT243 holder an entire HC49, holder and all.
> Kinda close-quarters, but careful soldering gets the job done. I used a
> self-stick label on the FT243, noting the new frequency. Now, the only
> job left is to hide his microphone, because our CW net frequency is
> 3686 kHz.

You have to be careful about this, though. Some simple rigs ran a fair amount of current through the crystal, more than an HC49 can take.

73, doug

Date: Fri, 12 Jun 1998 20:33:04 -0400
From: Ed Tanton <n4xy@att.net>
To: QRP-L Reflector <qrp-l@Lehigh.EDU>
Subject: [13028] SG-2020... 2 minor points
Message-ID: <3.0.5.32.19980612203304.00bb7c20@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Sorry... forgot to mention that my usually noisy QTH (the power company whiles about really old poles and lines and their lack of money to do anything about it) has been extremely quiet... my normal mode with any rig having a noise blanker is "IN"... but for this test I have yet to turn it on.

The other minor point is that Randy was listening on a receiver rack I have in another room in my basement using a RACAL RA6790/GM and my 51S-1, with an active antenna.
73

_____
Ed Tanton N4XY EMAIL: n4xy@att.net
189 Pioneer Trail
Marietta, GA 30068-3466 TEL: (770)579-3933 V/MBX/FAX
_____
INTERESTS: QRP BoatAnchors Test Equipment Photography
CW: 99.9% Mercury Paddle # 0214 QRP to 150W: 95%
~~~~~~
"Think you can, think you can't: either way you're right!" Henry Ford
~~~~~~

Date: Fri, 12 Jun 98 19:31:17 PDT
From: Ken Graham <k5id@ipa.net>
To: qrp-l@Lehigh.EDU
Subject: [13029] Fwd: FS: OHR QRP Classic 40/20m
Message-ID: <MAPI.Id.0016.00356964202020203030303430303034@MAPI.to.RFC822>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII; X-MAPIextension=".TXT"
Content-Transfer-Encoding: 7bit

Hi Friends,

somehow my post earlier did not get distributed on qrp-l so here is my second try:

Date: Fri, 12 Jun 98 08:32:36 PDT
From: k5id
To: qrp-l@lehigh.edu
Subject: FS: OHR QRP Classic 40/20m

Hello QRPers

I have for sale my OHR QRP Classic Transceiver, 40 and 20 meter rig.

It is working fine, both bands, and looks like new. Good fox catcher, with a great receiver, great QSK. $100 plus shipping.

Regards, Ken K5ID

Date: Fri, 12 Jun 1998 20:41:58 -0400
From: Ed Tanton <n4xy@att.net>
To: QRP-L Reflector <qrp-l@Lehigh.EDU>
Subject: [13030] SG-2020-on ~7040 & ~7018
Message-ID: <3.0.5.32.19980612204158.00b8fcb0@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The title sez it all... oh yes: the word "whiles" in the addendum was supposed to be "whines".
73

_____
Ed Tanton N4XY EMAIL: n4xy@att.net
189 Pioneer Trail
Marietta, GA 30068-3466 TEL: (770)579-3933 V/MBX/FAX
_____
INTERESTS: QRP BoatAnchors Test Equipment Photography
CW: 99.9% Mercury Paddle # 0214 QRP to 150W: 95%
~~~~~~
~~~~~~

"Think you can, think you can't: either way you're right!" Henry Ford
~~~~~~

Date: Fri, 12 Jun 1998 21:28:14 EDT
From: Ab7wy@aol.com
To: MelEvansGM6JAG@compuserve.com, qrp-l@Lehigh.EDU
Subject: [13031] Re: Not QRP, but have a laugh anyway!
Message-ID: <ab862e20.3581d5af@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

ok, so its not a qrp story......BUT WHO CARES!! i just got off work where they just fired two guys and its friday, so a good laugh is definately in order. VERY funny story. thanks for the laugh.....with all of the infighting going on in our hobby these days, we could all use a good laugh and remember why we do this...BECAUSE ITS FUN!!! this is my first posting and i hope to work you all!!! 72 and good qrp dx to you folks...Adam Taylor, AB7WY

Date: Fri, 12 Jun 98 22:02:53 PDT
From: Jade Account <jadepro@jadeprod.com>
To: qrp-l@Lehigh.EDU, cjsterl@ix.netcom.com
Subject: [13032] 160 Meter QRP
Message-ID: <Chameleon.980612221252.jadepro@jadepro.jadeprod.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Good Question Craig:

There are folks on 160 on QRP, but not as many as one would think. Its funny, because it is the one band where the big guns are not usually as big a gun as other bands. Why do I say this? Well, on something like 20 Meters, not only can folks run a kilowatt or more, they can also put up very high gain, very high altitude antennas, which may have a lot more to do with their signal than the power.

On 160M, there are not many folks that can put up gain antennas, the physics of it become a lot more limiting. Therefore, most of the antennas on 160 are more "alike". "L's", dipoles and Marconi's become much more common place. I find QRP is much more competitive on 160M and I find very long ragchews a pleasure.
~~~~~~

This is the lousy season here in the northern hemisphere so there is not much going on, but come winter give it a try. What little time I have to operate these days is usually given to 160M, Jade keeps me too busy to get on much, but give a me a call if you hear me. Also, see my piece on our WEB page about the 160M Marconi, it's my favorite, it was our first product. It isn't hard to homebrew either.

72

Dennis

Jane Blanchard, KA1FUN, President -- Dennis Blanchard, K1YPP, Chief Engineer

Jade Products, Inc.

Phone: 603-329-6995 (Telephone hours 4 to 10 PM EST)
FAX: 603-329-4499
Orders: 800-523-3776
e-mail: jadepro@jadeprod.com

US Mail: Jade Products, Inc
PO Box 368
East Hampstead, NH 03826-0368

See our Web Page: http://www.jadeprod.com/

Date: Fri, 12 Jun 1998 22:11:18 EDT
From: k7sz@juno.com (Rick Arland)
To: qrp-l@Lehigh.EDU
Subject: [13033] FS: FT-301D staton & NC-40A
Message-ID: <19980614.022338.11167.4.k7sz@juno.com>

Gang:

Converting the hamshack back into a bedroom so we can sell our house. Therefore, I have some gear that needs to find a good home:

FOR SALE:

FT-301D transceiver with full set of filters including RF speech

processor filter.
Condition: 8.5-9 on a 10 scale.

FV-301 remote VFO Condition: 9.5

FP-301 20 amp power supply Condition: 9.5

Manuals for the FT-301 and VFO. No manual on the power supply. I have the original boxes for the VFO and PSU.

Currently this station is being used as a transverter IF for 6 meters. I have the 100 watt amp module dismounted and am running the transceiver as a 10 watt rig. Amp can be remounted in about 2 minutes.

$ 450 plus shipping from NE Penna. For $525 I will throw in the 6 meter transverter (brand new Ten-Tec 1208...built about 3 months ago and fully aligned...works fine).

Wilderness NorCal 40-A. $130 and I ship.

Private e-mail only, please.

73 rich K7SZ

_____
You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at http://www.juno.com
Or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 12 Jun 1998 22:16:40 EDT
From: B1ljohn@aol.com
To: pharden@aoc.nrao.edu, qrp-l@Lehigh.EDU
Subject: [13034] Re: Solar: Weekend Report
Message-ID: <27290e62.3581e10a@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

In a message dated 98-06-12 19:33:05 EDT, pharden@aoc.nrao.edu writes:

<<
 The sun is fairly quiet ... solar flux 112, A-index 8 ... life is good.

Should be a good weekend on the bands. Check 10M and 15M during daylight hours for openings. (I.e., call CQ now and again if no activity heard). >>

Thanks, Paul.

Bill
K9YEQ

Date: Fri, 12 Jun 1998 22:26:08 EDT
From: K2UD@aol.com
To: qrp-l@Lehigh.EDU
Subject: [13035] Tixie Fix
Message-ID: <476326b7.3581e341@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I built the Tixie XCVR using the PCB from Embedded Research, which comes with their TiCK2B keyer IC. After 4-5 minutes of warm-up, an audio oscillation became apparent in the headphones. Originally I used electrolytics on either side of the 7805 regulator. I don't know if this helped compound my problem or not, but I replaced those with tantalum units as suggested by ER>

What I noticed was the LM386 was only getting about 3 volts when using a 9 volt battery as the power supply. Changing R4 from 1k to 680 ohms brought the voltage to almost exactly 5 volts. The 386 was much happier after this, and mid-western stations around 3.6864 MHz came through the headphones instead of audio oscillations.

For builders of the Pixie/Tixie, this resistor equates to R4 in K1CL's article in QRPp Winter 97 and R5 in WA6BOY's article in QRPp June 95. Translation, it's the resistor that feeds pin 6 of the LM386 from the 9 volt supply. What does is get from a 12 volt supply, I don't know.

BTW, I did not use molded chokes in the Tixie but opted for toroids right from the get go. Have not noticed any other problems of any kind like AM detection, FM breakthrough or unwanted coupling. Besides, I like the way toroids look. There's something very radio about them!

I hope this may help anyone who is experiencing audio oscillation in their Pixie/Tixie.

Date: Fri, 12 Jun 1998 19:34:23 -0700
From: Dave Willey <dave@cds1.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Cc: torr@sr.hp.com, ken@cds1.net
Subject: [13036] 160 Meter Slinky Dipole....
Message-ID: <3581E52F.2176@cds1.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

>Date: Fri, 12 Jun 98 10:29:53 HST
>From: mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)
>To: qrp-l@Lehigh.EDU
>Subject: slinkies

>Locally Slinkies are making a comeback. For a long while, each
>time I looked, I could only find the new plastic ones. Now I
>can find both Slinky and Slinky Jr. in places like 7-11 and
>KayBee Toy Stores, even the local kite store.

>I thought about dropping a Slinky down over an SLV pole to make
>a low band helical loaded vertical, but I am afraid the SLV
>is carbon composite. A while back it was generally decided that
>winding a helical on a carbon composite form would result in
>heating and other interaction with the material, not a problem
>with regular fiberglass.

>Anyone have thoughs on the loading of a Slinky or any Slinky
>web sites? The Slinky Junior has 74 turns and 30 feet of "wire"
>in it, as I recall, it was 1.5 inchs diameter. Since a helical
>generally has a half wave of wire approximately in it, this would
>mean two Slinky Jr's might make a 20 meter helically loaded dipole
>about 10 feet end to end.

Hi Mike,

One of our Antenna guys in our club put together a 160 Meter slinky
dipole. He wants to see about using it for field day. Took 8
slinkies (Slinki?, slinkys?) & fits into the space of a 40 meter
wire dipole. It's supported by a 1/4 inch nylon rope run through
the middle. Brought it to our club's board of directors meeting
this week. Pretty slick.

I'm curious to see how well it loads up with a tuner.

As an aside, he even found a .WAV file of the slinky song.. Check

out the SCRA webpage.

http://cds1.net/scra/

72 de Dave - KD6KWM
--
IF there indeed are other parallel universes... I can now rest in the
knowledge, that in at least one of them, I am filthy rich and drive a
red
Ferrari
--
To send a reply please remove "NOJUNKMAIL" from the return address,
and replace "AT" with "@"

Dave Willey
e-mail: dave AT cds1.net
amateur e-mail: kd6kwm AT cds1.net
amateur packet: KD6KWM@KD6KWM.#NCA.CA.USA.NOAM
--
QRP-L #1567

Date: Fri, 12 Jun 1998 22:44:38 -0400
From: Ed Tanton <n4xy@att.net>
To: K4SB <k4sb@mindspring.com>
Cc: "Tim, KD5CKP" <kd5ckp@bellsouth.net>, qrp-l@Lehigh.EDU, antennas@qth.net
Subject: [13037] Re: [Antennas] Smith Chart
Message-ID: <3.0.5.32.19980612224438.00ba4e80@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Both GA Tech and the Southern Tech (or whatever they're calling it these
days) carry blank Smith Charts... as would any college where EE is taught.

At 11:38 PM 6/12/98 -0700, K4SB wrote:
>Tim, KD5CKP wrote:
>>
>> Anyone know where to find an image of a "blank" smith chart?
>
>
>I think the ARRL sells them. Not singularly of course..
>
>Ed
>
>------

>Submissions: antennas@qth.net
>
>
73

Ed Tanton   N4XY   EMAIL: n4xy@att.net
189 Pioneer Trail
Marietta, GA 30068-3466   TEL: (770)579-3933 V/MBX/FAX

INTERESTS: QRP   BoatAnchors   Test Equipment   Photography
CW: 99.9%   Mercury Paddle # 0214   QRP to 150W: 95%
~~~~~~
"Think you can, think you can't: either way you're right!"   Henry Ford
~~~~~~

Date: Fri, 12 Jun 1998 22:48:54 -0400
From: Ed Tanton <n4xy@att.net>
To: B1ljohn@aol.com
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [13038] Re: Solar: Weekend Report
Message-ID: <3.0.5.32.19980612224854.00c6c920@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Yes indeed... at 2100 EDST and later 20M was great into Europe... out to
UA6 even. No selective fades, lots of strong signals, etc.

At 10:16 PM 6/12/98 EDT, B1ljohn@aol.com wrote:
>In a message dated 98-06-12 19:33:05 EDT, pharden@aoc.nrao.edu writes:
>
><<
> The sun is fairly quiet ... solar flux 112, A-index 8 ... life is good.
> Should be a good weekend on the bands. Check 10M and 15M during daylight
> hours for openings. (I.e., call CQ now and again if no activity heard). >>
>
>
>Thanks, Paul.
>
>Bill
>K9YEQ
>
>
73

Ed Tanton N4XY EMAIL: n4xy@att.net
189 Pioneer Trail
Marietta, GA 30068-3466 TEL: (770)579-3933 V/MBX/FAX

INTERESTS: QRP BoatAnchors Test Equipment Photography
CW: 99.9% Mercury Paddle # 0214 QRP to 150W: 95%

"Think you can, think you can't: either way you're right!" Henry Ford

---

Date: Fri, 12 Jun 1998 22:51:09 EDT
From: Ab7wy@aol.com
To: qrp-l@Lehigh.EDU
Subject: [13039] Re: Not QRP, but have a laugh anyway!
Message-ID: <a6c592bc.3581e91e@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

ok, so its not a qrp story....WHO CARES!! it was a great story!! being friday, most of us are just getting home from work so a good laugh is in order. it sounds almost as if my day went better than yours,hihi. i think we could all use a good laugh amid all the infighting in our hobby about code/no-code, contest/ ragchewing, this/that....so on and so on......it would be a lot better if we could think WAAAAAY back to a time when the facination of radio took hold of us, to the thrill of our first contact (regardless of band, mode, etc....), and the sense of accomplishment when we just finished our first page of our first logbook. yes, maybe a good laugh could lighten some of us up enough to remember why it is we do this thing called ham radio, we do it because its FUN! how helpful would we be in an emergency if the hams on scene were arguing about what mode to use. lets pull together and make this hobby the strong union of souls it once was....hmm, maybe power limits should be 5 watts only....heh heh, then lets see who argues about ANYTHING. anyway, thats my soapbox sermon. i hope we can all be friends and i wish you all great success in your qrp ventures. 72 and good qrp dx
. Adam
Taylor, AB7WY

Date: Fri, 12 Jun 1998 23:56:07 EDT
From: N5FOS@aol.com
To: qrp-l@Lehigh.EDU

Subject: [13040] 28 gauge breast test
Message-ID: <88cf0ab5.3581f858@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi Gang,

This is my first full week of experiencing qrp-l. Great fun I can see all ready.

Long before being a qrper of any kind, I spent many hours fiddling with wire antennas on regular 100 watt operation. During the 1980's, I was an apartment dweller living in North Dallas. I ran a Tempo One that I bought from a good ham friend whom lived up in Denton.

Here is the true story which has "livened up" numerous coffee lurks:

Late one Friday evening, I arrived home to my second story apartment as usuall. I had the intention of putting up an "invisible antenna" which consisted of nothing more than a 28 gauge wire fed end loaded. I intended to run the wire between my building and the building next door.

I made a simple loop out of clear nylon fishing wire. When the coast was clear, I ran over to the building next door, walked up the stairway, and carefully wrapped it around a rot iron balcony rail. I had a balcony with the same type of railing on my patio. My patio had a sliding glass door onto the balcony. An important point to know - there was a sidewalk which ran in between both buildings. I placed another nylon fishing line loop on my balcony railing too.
The fishing line loops on both ends of my longwire would serve as the slick clear invisible insulators. When I wished to operate, I would walk onto the balcony and aligator clip the end of the wire. I used a pretty forgiving tuner to match the load. I knew I was not going to have the most effecient antenna from the start - but apartment operating is certainly a compromise at best.

Now comes the interesting part of this story! As the coast was clear, I ran back over to the other building with my 28 gauge wire spool in hand. I tied it onto the fishing line insulator. Trying to be very inconspicuous, I spooled off the

line
and walked toward my apartment balcony. Once there, I simply tossed the spool over my balcony. Remember - the wire is hard to really see. At this point, I felt
like I was really in the clear on this effort. The wire was laying flat on the
ground at this point - crossing the sidewalk as expected.

I walked upstairs and entered my apartment, anxiously ready to walk out
onto my patio to finish the slick project. I fed the spool through the clear nylon
fishing line loop.

Here it comes! I am now standing on my balcony winding the spool taking up
the access line. As expected, my longwire was rising up steadily. About the time
when the wire was at breast level high, I suddenly heard a door slam downstairs.
Suddenly, here comes my "good looking" young female neighbor wearing a bikini coming down the sidewalk heading toward the pool. Before I had any time to react, like drop the wire down, her breasts hit my innocent wire! I felt the tension on the spool which I had in hand. As she hit the wire - she was rather "stunned" . It actually stopped her stride for a brief moment. She looked around
in circles trying to grasp what was happening. After a brief moment of puzzlement, she continued her stride down the sidewalk. During her puzzlement, I quickly dropped the spool and darted into my apartment, closing the sliding glass door behind.

The 28 gauge wire had failed the breast test.

This is a true story so help me God!

I figure this experience qualify's me to be one of the qrp gang! Hi! Hi!

Nice to be here with all of you! CUL, Best 72's

Mike Griggs
N5FOS
n5fos@aol.com

Date: Sat, 13 Jun 1998 00:20:14 -0400
From: "Hugo W. Catta" <hugo@banet.net>
To: 72507.235@compuserve.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [13041] Re: Sierra final results
Message-ID: <3581FDFE.3E3F1F72@banet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Rick:

My mods included only the NTE342, another 1N5817 paralleled at D6, (the rating is 1A and in 80m the Current reaches 0.9A), and the 4:1 xfrmr
Before the mods, my 80mts module was giving about 20% less than the 40 one. Now I removed one turn from L5 and with the mods and at 12.6v., the output power to a Rat Shack 15W 50R dummy load, measured with my USM338 scope are as follow:

80 - 6.2W
40 - 5.7W
30 - 4.8W
20 - 4.0W
17 - 4.0W (the only band where squeezing L6 made a difference).
15 - 2.8W (removed 1 turn fron L5, but no change was noticed)

My KC2 shows more power at 80 and 40, stays within 5 to 10% on 30 and 20, and falls short on 17 and 15 by a good 25 to 30%.

Pretty much consistent with your observations.

.....Still looking for the USM-338 / HP1707B manual... :-)

72, 73

Hugo
CX9AAK/W2

McNelly wrote:

> Her are the final results of all the tweaking on my friends Sierra:
>
> NTE342 final, 4:1 transformer replacing L10, J310 at Q5, mixer injection
> tweaks as per Bob Follett's article in Dec '96 QRPp, stock band modules -
> except 15M (see below).
>

> Actual Power Measured = PM
>   KC2 indicates = KC
>
> Drive control set just below maximum:
>
>   PM / KC
> 160M - 4.0w / 3.9w (good pwr across a larger segment of the band)
> 80M - 5.3w / 3.5w (peaked for General thru novice segment)
> 40M - 6.5w / 5.9w
> 30M - 5.3w / 4.8w
> 15M - 3.2w / 2.7w
>
> When the drive is adj for 5w on 40M (4.5w indicated on KC2) the fol
> actual power levels occur:
>
> 160M - 2.9w
> 80M - 4.4w
> 40M - 5.0w
> 30M - 4.4w
> 15M - 1.7w
>
> All sigs appear very clean and remain clean when the drive control is adj
> from no power to high power.
>
> The 15M module was so touchy it was next to impossible to peak and keep
> reliable results. Others have mentioned using smaller trimmers at C33
> and C36 and installing small caps in the unused C32/C35 locations. I
> didn't have any smaller trimmers but for an experiment I tried placing
> small caps in the unused locations. After some trial and error I found
> that using 22pF caps here smoothed out the tuning and allowed me to peak
> for an additional .2w. The trimmers are now near one end of their
> adjustment range and no longer peak in two locations, but I'm ok with
> that.
>
> I had to parallel a 4.7K resistor across R22, a 5pF cap across C29 and a
> 22K resistor from U8 pin 7 to ground. This brought the injection levels
> right up and had a huge effect on 15M. Those of you having trouble with
> 15M or above might look at this, I gained a full watt here.
>
> As indicated in another post (fol the one in which I made a heel of
> myself) the receive problem was simply a severe BFO misalignment combined
> with the AGC control set too high.
>
> I want to thank everyone for helping me with this, I know my friend will
> be very happy with the rigs performance.
>
>
> 72/73's,

>
> --Rick, KE4IZH
>
> QRP-L # 493
> 72507.235@compuserve.com
> Chesapeake, Va.
> MP2.1K

Date: Fri, 12 Jun 1998 21:52:07 -0700
From: Jerry Parker <jparker@fix.net>
To: qrp-l@Lehigh.EDU
Subject: [13042] Dan adds more STUFF to his SALE
Message-ID: <2.2.32.19980613045207.00bb21bc@fix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Dan has added some more goodies to his Sale right up front.

        http://www.fix.net/dans.html

Enjoy,,,72,,,Jerry...WA6OWR...K

Date: Fri, 12 Jun 1998 22:06:13 -0700
From: "Robert Andrew Bell" <rbell@uniserve.com>
To: <qrp-l@Lehigh.EDU>
Subject: [13043] FS: Dremel MultiPro
Message-ID: <016801bd9688$fd664aa0$a7d2f4cc@satan>
MIME-Version: 1.0
Content-Type: multipart/alternative;
     boundary="----=_NextPart_000_0165_01BD964E.505F99E0"

This is a multi-part message in MIME format.

```
------=_NextPart_000_0165_01BD964E.505F99E0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

I have a Dremel MultiPro model 395 variable speed drill for sale,it =
comes in a carry case and includes the flex-shaft attachment,the dremel =
engraver and a complete set of attachment heads.It is in like new =
condition with very little use.

offers or will trade for qrp equipment.

Rob.
VE7IGZ
rbell@uniserve.com

------=_NextPart_000_0165_01BD964E.505F99E0
Content-Type: text/html;
     charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

<!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 HTML//EN">
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<META content=3D'"MSHTML 4.72.2106.6"' name=3DGENERATOR>
</HEAD>
<BODY bgColor=3D#ffffff>
<DIV>
<DIV>I have a Dremel MultiPro model 395 variable speed drill for sale,it =
comes=20
in a carry case and includes the flex-shaft attachment,the dremel =
engraver and a=20
complete set of attachment heads.It is in like new condition with very =
little=20
use.</DIV>
<DIV> </DIV>
<DIV>offers or will trade for qrp equipment.</DIV>
<DIV> </DIV>
<DIV>Rob.</DIV>
<DIV>VE7IGZ</DIV>
<DIV><A=20
href=3D"mailto:rbell@uniserve.com">rbell@uniserve.com</A></DIV></DIV></BO=
DY></HTML>
```

```
------=_NextPart_000_0165_01BD964E.505F99E0--



------------------------------

Date: Fri, 12 Jun 1998 23:57:18 -0700
From: "Robert Andrew Bell" <rbell@uniserve.com>
To: <qrp-l@Lehigh.EDU>
Subject: [13044] QRP travel radio
Message-ID: <019001bd9698$81c049e0$a7d2f4cc@satan>
MIME-Version: 1.0
Content-Type: multipart/alternative;
     boundary="----=_NextPart_000_018D_01BD965D.D4A8D040"

This is a multi-part message in MIME format.

------=_NextPart_000_018D_01BD965D.D4A8D040
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Hi, I am trying to find details of a qrp tranceiver which I think was =
called the Travel Radio and was featured in 'Ham Radio' magazine in the =
late 80's,any info would be greatly appreciated.

------=_NextPart_000_018D_01BD965D.D4A8D040
Content-Type: text/html;
     charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

<!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 HTML//EN">
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<HEAD>

<META content=3Dtext/html;charset=3Diso-8859-1 =
http-equiv=3DContent-Type>
<META content=3D'"MSHTML 4.72.2106.6"' name=3DGENERATOR>
</HEAD>
<BODY bgColor=3D#ffffff>
<DIV><FONT color=3D#000000 size=3D2>Hi, I am trying to find details of a =
qrp=20
tranceiver which I think was called the Travel Radio and was featured in =
'Ham=20
Radio' magazine in the late 80's,any info would be greatly=20
appreciated.</FONT></DIV></BODY></HTML>

------=_NextPart_000_018D_01BD965D.D4A8D040--
```

Date: Sat, 13 Jun 1998 01:47:10 -0600 (MDT)
From: marion@montana.com
To: qrp-l@Lehigh.EDU
Subject: [13045] J310
Message-ID: <199806130747.BAA13780@paw.montana.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

If you need J310s, Dans Small Parts has them on sale for 10/3.60, among the other deals he has. I don't need them, I stocked up when he had them for 10/1.00. I don't know how he does it. No affiliation. Roy AB7CE

Date: Sat, 13 Jun 1998 08:25:02 -0700
From: "Harvey D. D. Hetland" <n6mm@earthlink.net>
To: QRP-L@Lehigh.EDU
Subject: [13046] Life's too short for QRO
Message-ID: <358299CE.4@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

It is all in the timing, whether chasing the fox or a DX station.

I've been casually trying to catch D2BB the past couple of days. Tried to work him during my local morning around 1800Z on 20m while he was working contest style and I could not bust the European pileup with a kW. Chased him again the next day during my local afternoon (about 2300Z) with a kW with no luck due to the east coast aluminum curtain. Both times contest style operation in the General/Advanced Class protion of the 20m band and me with a kW and 3 element monoband beam up 20m.

Tonight he shows in the Amateur Extra Class portion and he is chatting with those working him, and I get him on the second call with an OHR-400 running 5 watts to a three element beam for a new one worked with QRP. We chat for about ten minutes. So much for QRO. QRP rules!

Its in the timing whether it be on the scale of a second during the pileup, minutes as before the packet cluster builds the pileup, hours as propagation really gets to be optimum, seasonal or years for the sunspot

cycle peak. Another 25 enitities to go for DXCC 200 worked with QRP. What a kick. I'm on a QRPer's version of a Big Gun rush. Where is Yemen (or North Korea)? Gee, maybe I could get'em with QRP? Dream on!

Also worked EA1APA on the FISTs 20m calling frequency with QRP. Watch for HB9DAX/QRP around 14010 kHz. If you don't already have an Extra Class and like QRP DXing, then you should have a good incentive to upgrade. I have picked up about 15 new "enitities" worked on 20m with QRP during the past two weeks. Mostly Europeans at all hours of the morning, afternoon and evening workable with QRP from the "wrong coast". Watch 17m and 15m for late evening openings too. You guys on the "right coast" must really be cleaning up.

73, Harvey, N6MM
.... In Altadena, CA looking at Europe through mile high Mt. Wilson with a +14 degree horizon, groan.

Date: Sat, 13 Jun 1998 05:56:39 -0400
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>
To: N5FOS@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [13047] Re: 28 gauge breast test
Message-ID: <35824CD6.E49CE79F@quartz.gly.fsu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

N5FOS@aol.com wrote:

> The 28 gauge wire had failed the breast test.
>
>

How big were her breasts?

Welcome to the list

Henry

Date: Sat, 13 Jun 1998 05:57:37 -0400
From: Mel Evans <MelEvansGM6JAG@compuserve.com>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [13048] More on have a laugh anyway
Message-ID: <199806130557_MC2-401B-36FB@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Hi guys,

I've been asked what a "loo" is so here goes.

As you guessed a Loo is a toilet. Comes from the days of the "Auld
Alliance" when there was a large French court presence in Edinburgh, and =
is
a corruption of the French for water "l'eau".

The good citizens of Edinburgh at the time, did not have running water or=

toilets, so they used bedpans or "gozundahs" at night to save getting up
and going down four flights of stairs to the outside toilets. When these
got full, they opened the bedroom windows and emptied the contents into t=
he
courtyards below, warning passersby with the shout of:

    "Gardez l'oo"   or beware of the water (and other things!)

This is commemorated (perpetuated) in the West of Scotland where the ship=

that goes out at night into the Irish Sea to dump the harmless residue of=

the sewage process plants is named the =

    "Gardez Loo"

History part II follows after the commercial break!

Have fun!

Regards

Mel

Date: Sat, 13 Jun 1998 11:28:37 +0000
From: "Frank G3YCC" <g3ycc@g3ycc.prestel.co.uk>
To: qrp-l@Lehigh.EDU, gqrp-l@blacksheep.org
Subject: [13049] International QRP Day
Message-ID: <E0yknYa-00058X-00@hen.scotland.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Remonder: my contest to celebrate International QRP Day is on June
17th.
You will be most welcome to join in, and do not have to be a member
of any club etc. I will repost the rules to you if needed, they are
very simple, so whatever band or mode you use, how about having a go?
--73--
Frank G3YCC G QRP 042
email: g3ycc@g3ycc.prestel.co.uk
QRP web Site: http://www.homeusers.prestel.co.uk/g3ycc/
Packet: G3YCC@GB7HUL

Date: Sat, 13 Jun 1998 06:31:01 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: tenten-l@Lehigh.EDU, QRP-L List <qrp-l@Lehigh.EDU>
Subject: [13050] Hi from Southwest France
Message-ID: <Pine.GSO.3.96.980613062743.21761A-100000@larry.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I received the following message from F5OBV, which may be of interest to
10-meter CW operators. Please listen for Jean-Marc--even better, please
try to work him. His dedication may not only produce a contact, but give
you an idea of band conditions on any particular day.

-73-

LB, W4RNL

This is Jean-Marc F5OBV located in Pau in the Pyrenees IN93TH.
I have started a CW net on 28010. I monitor this frequency 10 hours a day.
Dx is always present on the ssb portion of the cb band(27450 to 28000
illegal of course!!!)..Ten meters sounds dead....
SO I call cq at the top and bottom of every hour on 28010.
At 15 past and before the hour I call on 29610 FM.

I managed to make a few contacts but what puzzles me is that on 27555 I can
hear dx stations all day long,
on 10m: nothing!!!!!   Any explanation?
vy73 de Jean-Marc

Date: Sat, 13 Jun 1998 07:41:41 EDT
From: k7sz@juno.com (Rick Arland)
To: boatanchors@listserv.tempe.gov, baswaplist@foothill.net, qrp-l@Lehigh.EDU,
vss@mlist.access.digex.net
Subject: [13051] FS: Midland 13-509 & Tempo S-2
Message-ID: <19980614.115353.6799.0.k7sz@juno.com>

Following vintage S-S 220 gear for sale:

Midland 13-509 12 chnl Xtal controlled mobile/base rig.
Mic, manual, GP antenna, 5 sets of xtals. Works great. $100

Tempo S-2 220 HT, synthesized, 1.5 watts output, 1/4 wave
and rubber duck, charger, manual. Brand new nicad battery
installed last month. Works great. $100

Private e-mail only, please.

73 rich K7SZ

Date: Sat, 13 Jun 1998 07:45:37 EDT
From: aa5yx@juno.com (John Harper)
To: qrp-l@Lehigh.EDU
Subject: [13052] WTB: HTX-100
Message-ID: <19980613.074432.5159.0.AA5YX@juno.com>

Please email me at (not via reflector!):   j..harper@att.net

 with condition and price. Thanks and 73,

John Harper AA5YX/2
HW-9, Norcal 40A, OHR-100A/20m, SST-30
YashicaMat 124G Info _Page: http://home.att.net/~j..harper

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 13 Jun 1998 06:06:01 -0600
From: "Steve Galchutt" <n0tu@webaccess.net>
To: "\"Low Power Amateur Radio Discussion\"" <qrp-l@Lehigh.EDU>
Subject: [13053] QRP-L Spirit
Message-ID: <001b01bd96c3$c9ddfe40$9ba8a3cc@SG2939M.webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The one thing I really admire about this corner of cyberspace is the
continual display of 'elmership' in all its forms...(the following speaks
for it self)

Re: J310........."Found some in my parts stash. Give me your snail mail
address and I'll
get one off to you today."

(spoken by Roger hightower, N7KT)

72...Steve
_____
n0tu - solar powered QRP & wire antennas @ 7,200' ASL
Monument,Colorado - Grid Sq DM79nb
homepage: http://www.webaccess.net/~S&P/HRindex.htm
email: n0tu@webaccess.net

Date: Sat, 13 Jun 1998 08:16:52 EDT
From: d.nordquest@juno.com
To: qrp-l@Lehigh.EDU
Subject: [13054] Re: 28 gauge breast test
Message-ID: <19980613.081939.4751.3.d.nordquest@juno.com>

On Sat, 13 Jun 1998 08:17:15 d.nordquest writes:
Mike wrote:

"Suddenly, here comes my "good looking" young female neighbor wearing a bikini coming down the sidewalk heading toward the pool.

. . . her breasts hit my innocent wire! I felt the tension on the spool . . .

. . . The 28 gauge wire had failed the breast test. "

Guess she really busted it!

73, Dave KE9ED

_____
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Date: Sat, 13 Jun 1998 08:29:00 EDT
From: jalbertin@juno.com (Jerry Albertin)
To: qrp-l@Lehigh.EDU
Subject: [13055] Antenna Questions
Message-ID: <19980613.082028.5183.1.JAlbertin@juno.com>

I am hoping the antenna experts on the list can help me. The severe spring weather
has encouraged me to install a back-up indoor antenna in the my woodshed. I have
been reading W1FB's antenna notebook and in there he has described several hf antenna that have "tuned feeders". I have searched the book and can not find an
explanation for this term . What are tuned feeders and how do you build them?

I mostly work qrp on 40 m with my G5RV that is strung in the tress by the house. The recent storms have left me wondering if the antenna and/or trees
will remain standing.

My woodshed has an "attic" area about 25' long and would like to hear from others
on the list that are using or have had indoor antennas.

Thanks.......Jerry kg2jf in rural upstate New York

_____
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Date: Sat, 13 Jun 1998 07:40:45 -0600
From: Jess Gypin <jessqrp@concentric.net>
To: qrp-l@Lehigh.EDU, cw@qth.net
Subject: [13056] QRP Now! and Keys II The Emporium
Message-ID: <3582815D.8F5BA888@concentric.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi all,

Just received Dave Ingram's new books "QRP Now!" and "Keys II The Emporium".
I ordered them from Marshall Emm now of (also) Morse Express at HTTP://www.MorseX.com

These are not the normal smallish paper backs but more along the lines of 8X11 bound manual type publications. The covers are heavier cover stock and the pages are sized to match.

Keys II The Emporium - If you like keys and bugs, then this book is a keeper. There is an overview of just about every type of bug and key out there and some that you may have never known about otherwise. All of the pics and info are put together in a very readable format. It is the type of reference that you will keep going back to over and over again. I really enjoyed and will continue to enjoy it. My only problem is that some of the bugs in there that I would like to own will never be for sale and if they were I would not be able to afford one! Lots of pics and info. I highly recommend it at $15.00

QRP Now! - This is a new book and not just a rewrite of his older "How to get started in QRP". I have not had time to really read it yet but have scanned it and have enjoyed the contents. He gives a really good view of the QRP hobby as it exists now. If you are new to QRP or just want another good QRP reference, this is a good buy at $15.00. Almost all of the information that is in this book is as current as it can be and still allow time for publishing.

As an interesting side note, I ran into Dave on 20 meters about 2 weeks ago and had a nice chat with him. I told him that I had read his earlier

bookj on QRP and he told me that he was jsut finishing this new one and that I should look for it. It was not but about a week later that I heard that Marchal had them and that they were in stock. Dave is a nice guy and always a pleasure to chat with. I think that I have found him on the bands about 4 times in the last 3 years. One of the comments that he made in his Keys book about bugs I did not agree with. He said that bugs should not be used on a regular basis unless you are good enough with it to have the sending copied by a machine type code reader. I think you all know how unrealistic that this is. I hear and use a bug on the air all the time and if you just look at them or wait until you are "perfect" with them, you will never enjoy the fun that you can have with a bug. They are not that hard to learn and I have foud time and time again on the air when I was learning that there were plenty of QSO's out there to be had where the other fellow really enjoyed the fact that I was trying to learn the bug.

No vested interest, just a consumer.

Also, don't expect a "hight tech" look to these books. They are 8X11 bound and have a kind of home brew look to them. The $15.00 that youe spend it for the contents and not the binding and they are well woth that!

Jess

--
Jess N0TFI <><
http://www.concentric.net/~jessqrp Personal Home page
http://qsl.net/n0tfi/bug.html Bug Stories

Date: Fri, 12 Jun 1998 13:24:59 +0100
From: Dick G0BPS <G0BPS@kanga.demon.co.uk>
To: kelman@dialnet.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [13057] Re: Wattmeter options? SGC2020 seen on rec.radio.swap
Message-ID: <1CCw+QAb4Rg1Ew60@kanga.demon.co.uk>
MIME-Version: 1.0

In message <199806102351.SAA02129@mail.dialnet.net>, Kelly Ellison <kelman@dialnet.net> writes
>Hello all.
>
>I have learned so much on this list about so many neat products. Does

>anyone else kit a QRP watt meter
>besides OHR?

Why not try the original one from David Stockton GM4ZNX offered from
Kanga Products. flat from 160 - 6 and usable on 2m.

Check with Bill for stocks and pricing. N8ET at Kanga US.

Kanga@mail.bright.net
--
Dick Pascoe G0BPS
Kanga Products
Seaview House, Crete Road East
Folkestone CT18 7EG U.K.
Tel 44 (0) 1303 891106
http://www.kanga.demon.co.uk

Date: Sat, 13 Jun 1998 15:38:57 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: d.nordquest@juno.com
Cc: qrp-l@Lehigh.EDU
Subject: [13058] Re: 28 gauge breast test
Message-ID: <199806131438.PAA19194@chuck.dallas.sgi.com>

The next person that brings up this topic again will be
banned from the list. This is not the time or the place
for this. Remember that we have young people here.

You guys know better than this.

FYI
Chuck Adams K5FO Dallas,TX CP-60
http://reality.sgi.com/adams adams@sgi.com

Date: Sat, 13 Jun 1998 10:59:54 -0700
From: ka1iic <ka1iic@ime.net>
To: qrp-l@Lehigh.EDU
Subject: [13059] re: Tuned ground systems
Message-ID: <3582BE1A.6540@ime.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi everyboby,

Just for the sake of disscussion and because there are *many* newcomers on the net.

Pehaps some of the 'oldtimers' could pass along information about good grounding technics and tuning of these ground systems.

Basically at this QTH I try to get as much wire (radials) as I can. I tune these at the frequencies of operation. Bare wire gets put in the ground and insulated wire above. Remember that the ends can give a nasty burn to anyone comming into contact with them.

Also has anyone got a good working design of a ground tuner, I've never got around to designing or building one of the beasts.

Well anyway... have a good day and a better tomorrow!

73's
Vince
ka1iic

Date: Sat, 13 Jun 1998 10:35:17 -0700
From: Terres Family <terresfm@ncia.net>
To: qrp-l list <qrp-l@Lehigh.EDU>
Subject: [13060] QRPp Family Service Radios
Message-ID: <3582B855.42CB@ncia.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang,
Am interested in "family service" rigs for xyl and harmonics (~460 mhz, 14 'channels' limited to 500 miliwatts, non-detachable antenna, no license). Have looked at webb sites for Motorola Kenwood Icom Standard Alinco and have looked at the RS stuff. Any experience/opinions??? I was leaning toward Kenwood & she likes Motorola.

The Alinco 440 hand held (djs-41) can be modified (?legality) to extend to the Family Service frequencies but comes, near as I can tell, with tone encode but not decode. All the FSR's seem to come with both tone encode and decode (not REALLY sure the Alinco does). Anyone know if there is a mod that adds tone decode to the Alinco HT's? Would give me a

440 rig as well, though a bit less power, ~ 1/3rd of a watt.

TNX & 72/73
Jerry AA1OF
Franconia NH

Date: Sat, 13 Jun 1998 15:48:21 +0000
From: Ron Keener WA0REE <rkeener@realtime.net>
To: qrp-l@Lehigh.EDU
Subject: [13061] tuning aid for blind operator
Message-ID: <35829F45.1494@realtime.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

i am trying to help a blind operator find a device that can be used to
provide audio frequency readout for an icom 731 (qrp version of 735) or
direct keyboard frequency entry by external keypad

i have heard that there is a keypad that attaches to icom serial port
but have not found source

i am also considering building the freq-mite into an external swr sensor
box that can sample the transmit frequency via the swr tap

also recently saw comment about an audio swr sensor in a recent qst
article

any comments/help appreciated

ron wa0ree
1570
rkeener@realtime.net

Date: Sat, 13 Jun 1998 09:10:16 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [13062] Not QRP, Telephone wiring question
Message-ID: <Pine.SOL.3.96.980613090320.26070A-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi all,

I just had a second phone line turned on. It should be
at the wall jacks now.

Being the cheapskate I am, I said I'd fix the jacks in
the house. :-)

Here is what I have for the old number.

On the RJ11 back plate the Red wire going to the RJ11 jack
goes to "Y" and the Green wire going to the RJ11 jack goes
to "B".

I am assuming that to install another RJ11 jack for the
second phone (device) I would connect the Red and Green
wires from the second jack to the "R" and "G" posts of
the first back plane.

Is that right?

And I've heard that almost all new devices are no longer
polorized and to me that means that it shouldn't matter
if it was the Red going to "R" or "G".

Is that right?

Thanks in advance,

73, Ron,   SOWP 5545M,

.........KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu...........Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Sat, 13 Jun 1998 12:10:36 EDT
From: k7sz@juno.com (Rick Arland)
To: CamQRP@cyberg8t.com, qrp@qth.net, qrp-l@Lehigh.EDU
Subject: [13063] FD-98 & the QRP Commandos
Message-ID: <19980614.162256.6799.2.k7sz@juno.com>

Cam & gang:

The Wyoming Valley QRP Commandos will be "on the air everywhere" this FD
from Francis Slocum State Park in Luzerne County, NE Penna.

Callsign: K7SZ
Class (or lack thereof): 2A

We will be running one CW and one SSB station and possibly a 6 meter SSB
station if plans work out.

Look forward to working 'ya all.

73 rich K7SZ

_____
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Date: Sat, 13 Jun 1998 09:24:18 -0700
From: Vic Rosenthal <rakefet@rakefet.com>
To: cebik@utkux.utcc.utk.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [13064] Re: Hi from Southwest France
Message-ID: <3582A7B2.203954F0@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

L. B. Cebik wrote:
>
> I received the following message from F5OBV

<snip>

> This is Jean-Marc F5OBV located in Pau in the Pyrenees IN93TH.
> I have started a CW net on 28010. I monitor this frequency 10 hours a day.

<more snipping>

But which 10 hours??

Vic, K2VCO

Date: Sat, 13 Jun 1998 09:30:25 -0700
From: Vic Rosenthal <rakefet@rakefet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [13065] Re: Life's too short for QRO
Message-ID: <3582A921.4ADE7E99@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Harvey D. D. Hetland wrote:
>
> .... In Altadena, CA looking at Europe through mile high Mt. Wilson with
> a +14 degree horizon, groan.

Don't groan too loudly, maybe you're getting a bending effect as the low angle signals
cross the ridge!

Vic, K2VCO

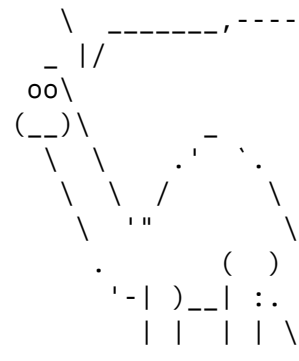
Date: Sat, 13 Jun 1998 09:44:29 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: Chuck Adams <adams@chuck.dallas.sgi.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [13066] Re: 28 gauge breast test
Message-ID: <Pine.BSI.3.96.980613094344.1574A-100000@usr05.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 13 Jun 1998, Chuck Adams wrote:

> The next person that brings up this topic again will be
> banned from the list. This is not the time or the place
> for this. Remember that we have young people here.
>
> You guys know better than this.
>

Although I enjoyed the story, I have to agree.

```
 ,----------------------.       Circuit Design for the
/    What's all this     \            RF Impaired
/ extinct stuff, anyhow?  /
```



Chris Trask / N7ZWY
Principal Engineer
ATG Design Services
P.O. Box 25240
Tempe, Arizona 85285-5240

Technical Editor,
QRP Quarterly
QRP ARCI 9464

Email: ctrask@primenet.com
http://www.primenet.com/~ctrask

Graphics by Loek Frederiks

Date: Sat, 13 Jun 1998 17:57:30 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-l@Lehigh.EDU
Subject: [13067] Smithchart
Message-ID: <199806131657.RAA19425@chuck.dallas.sgi.com>

A question came up re availability of the Smithchart and
its being online.

1. To the best of my knowledge the Smithchart is still
   copyrighted material. If it is, someone needs to
   check on the legal issues just to make sure that
   people do not get into trouble.

2. The chart does have a postscript error in it, even
   after all these years of circulation.

FYI

Chuck Adams K5FO Dallas,TX CP-60
http://reality.sgi.com/adams adams@sgi.com

Date: Sat, 13 Jun 1998 17:08:18 +0000

From: SEAB&SHARON LYON <SSLYON@worldnet.att.net>
To: qrp-l@Lehigh.EDU, elim@ime.net
Subject: [13068] Re: 160 Meter QRP
Message-ID: <19980613170818.DAV15513@LOCALNAME>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Yes... I'm interested and have done some interesting stints on ssb
and cw with a 1400' loop up 50 to 80'. Am very interested in trying
very good antennas, kite flown such as half squares, delta loops, etc.
What you interested in? 73 -s-
,,,

At 03:48 PM 6/12/98 -0400, you wrote:
>
>-----Original Message-----
>From: cjsterl@ix.netcom.com <cjsterl@ix.netcom.com>
>To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
>Date: Friday, June 12, 1998 9:19 AM
>Subject: 160 Meter QRP
>
>
>>Greetings from the Nation's Capital,
>>
>>Was wondering if anyone out there in QRP-L land is SERIOUSLY interested in
>>160 Meter QRP/DX?
>>
>>72 de Craig/AA3MD
>>
>>
>Hi Craig,
>
>I've worked 160mtr Qrp off and on for about 10 years.. it's great fun.. I've
>been unable to get on top band much this last season just can't seem to stay
>up that late hi. But I've worked some interesting stuff from here in
>maine.. , using and In verted L and a fullwave loop up about 40' , till the
>big Ice storm took it down last Jan. Any way here's some of the stuff
>worked and qsled with 4 watts.. WA., CA. , C6a about 35 states confirmed on
>that band right now.. working towards 40.. hi.. Have worked across the pound
>several time including Poland, Russia and Germany.. So it can be done..
>Just have to be very strongly motivated. and hit the right conditions..
>Also Many qrpers tend to stay away on contest weekends. I've found that
>these can be some of the best times to snag that rare state or dx you
>looking for.. Sunday mornings early have worked good for me as many have
>already worked the stronger stations and are now willing to dig deep in the
>mud for a new one.. enjoy the band and have fun
>
>72 &73 DAVE KC1DI

>
>
>
>
Seab Lyon, AA1MY, Beacon, NY, USA
ARRL; QCWA; ACRI# 9253; QRP-L#574;
 NEQRP# 511; Pres., C.A.R.A.:
http://www.danbury.org/org/cara/

Date: Sat, 13 Jun 1998 13:27:38 EDT
From: k7sz@juno.com (Rick Arland)
To: qrp-l@Lehigh.EDU, qrp@qth.net
Subject: [13069] KnightLites SMiTe Transceiver
Message-ID: <19980614.174008.6799.5.k7sz@juno.com>

I don't know how many of these little guys are on the air now, but I know that I sure
had a great time building up the little SMiTe transceiver I got from Paul, AA4XX, last
evening. (Tnx Paul!).

Took me about an hour. This is the first SMT project I have ever undertaken and
it was FUN! The rig worked first time it was fired up and now all I have to do is
wait for someone to hop on 3686 kHz so I can talk to them!

The hardest thing about building this little rig is putting it in a suitable enclosure!
One thing I did find....the smaller parts (resistors and capacitors) were EASIER to
install on the board than the bigger parts (inductors, electrolytic caps, etc)!

One of the 100 uH chokes flew out of the jaws of my tweezers and onto the floor
of the shack. What followed can best be described as hunting for the proverbial needle in a haystack. Persistence (and the use of a flashlite) paid off and (after
about 20 minutes of crawling around on the floor) the choke was found and finally soldered on the board.

My SMiTe has 200 mW output into a dummy load. It suffers a little from AM BCST

breakthru, but WBAX, 1240 kHz, is just 1.5 miles away across the river so this is
not unexpected. WBAX use to tear up the front end of my Century 22 and my HW-8 also.

The tiny rig and it's 9 volt battery looks really silly sitting beside the Dentron
MT-3000 (3KW) tuner, which is what I use to tune my extended double Zepp.

But it works!

My thanks to the KnightLites for a great little project.

73 rich K7SZ

_____
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Or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 13 Jun 98 12:38:42 PDT
From: "Robert H. Sorge" <rsorge@phoenix.net>
To: qrp-l@Lehigh.EDU
Subject: [13070] Freq. Display with MFJ-9040 - How?
Message-ID: <Chameleon.980613124345.rsorge@phoenix.net.phoenix.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I want to use my OHR DD-1 with my MFJ-9040. I don't have a schematic. Can anyone tell me how
and where to pick off the LO freq. for input to the DD-1 also the additional components
needed, ex. isolation cap. and resistor if needed?

72 de Bob

Name: Robert H. Sorge - KC5FMZ QRP-L#910,NORCAL#793,ARCI#96033
E-mail: rsorge@phoenix.net
Date: 6/13/98
Time: 12:38:42 PM

Date: Sat, 13 Jun 1998 13:46:53 EDT
From: N5FOS@aol.com
To: qrp-l@Lehigh.EDU
Subject: [13071] A sincere apology.
Message-ID: <15d93b4.3582bb13@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I would like to take this opportunity to sincerely apologize to everyone
whom may have been offended by my 28 gauge story. I certainly did not intend to offend or cause any kind of controversy. I promise to never submit anything like this again. I am a serious dedicated qrper and wish to maintain my friendship and integrity among my peers. I am sorry.

Sincerely,
Mike Griggs
N5FOS

Date: Sat, 13 Jun 1998 14:00:03 -0700
From: "Bruce R. Arnold" <barnold@coastalnet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [13072] Re: 28 gauge test
Message-ID: <199806131754.NAA09206@abaco.coastalnet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Please, lighten up. When I was a young lad, I knew that females had a different anatomy then males. This story was not raunchy, vulgar, lubricious, or provocative. Just humorous.
Bruce N8UTY

> From: Chuck Adams <adams@chuck.dallas.sgi.com>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Subject: Re: 28 gauge breast test
> Date: Saturday, June 13, 1998 7:38 AM
>
> The next person that brings up this topic again will be
> banned from the list. This is not the time or the place
> for this. Remember that we have young people here.
>
> You guys know better than this.

>
> FYI
> Chuck Adams K5FO Dallas,TX   CP-60
> http://reality.sgi.com/adams adams@sgi.com
>

Date: Sat, 13 Jun 1998 18:23:10 +0000
From: SEAB&SHARON LYON <SSLYON@worldnet.att.net>
To: qrp-l@Lehigh.EDU, Wa2eaw@aol.com
Subject: [13073] Re: 160 Meter QRP & KITES
Message-ID: <19980613182310.ERFS9509@LOCALNAME>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

sick minds sick alike... you'll see our web page drawings soon about...
get this.... a FULL-SIZED 160M HALF SQUARE suspended between two or
three 8' SCOTT SLED kites. The plans are all set and we'll be trying it
with a 20M Sterba this summer in prep for a seaside stint this fall on
160m season. I'll keep the list posted. Thanks for the plans! -just got
them an hour ago. 73 =s=

//

At 01:46 PM 6/13/98 EDT, you wrote:
>Hi Seab;
> This is Bob again.
>I just read your post re: 1400' loop up about 50-80 feet. I had a zanny but
>Ham like thought flash across my evil mind. It pertains to kites and antennas.
>bounce this concept around......
>Put up 2 kites with a spacing of 1/4 wavlength between them and send them up
>to the same height. Suspend a loop (quad) between them.
>It sounds wild but I bet its workable. Just needs some "fine truning"
>Its a good thing we dont live near each other. The xyls would kill us.
>I may be getting older (67 yrs old hr) but I refuse to grow up!!!!!
>72/73 Bob
>
Seab Lyon, AA1MY, Beacon, NY, USA
ARRL; QCWA; ACRI# 9253; QRP-L#574;
 NEQRP# 511; Pres., C.A.R.A.:
http://www.danbury.org/org/cara/

Date: Sat, 13 Jun 1998 19:26:25 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-l@Lehigh.EDU
Subject: [13074] Humour
Message-ID: <199806131826.TAA19581@chuck.dallas.sgi.com>

Bruce N8UTY et.al.,

Hey, I have a good sense of humour, just like anyone else
but the point that I was trying to make is that the thread
was going to degrade rather rapidly. It is not a case of
me lightening up, I just wanted the QRP-L group not to
start up threads like this.

You may not have been with this group very long, but
everyone brags on the S/N ratio. Let's keep it that way.

Thanks,

Chuck Adams K5FO Dallas,TX   CP-60
http://reality.sgi.com/adams adams@sgi.com

Date: Sat, 13 Jun 1998 14:30:22 +0000
From: "Tom Russel" <trussel@mailhub.exis.net>
To: qrp-l@Lehigh.EDU
Subject: [13075] Cushcraft A44911S Antenna Radiation Pattern
Message-ID: <199806131830.OAA26985@marlin.exis.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

I am looking for an antenna radiation pattern for the Cushcraft
A44911S 11-element 70-cm antenna, but it is no longer in the catalog
and the Cushcraft Customer Service folks can't find one.

If you have one and can copy it or FAX it, please email me directly,
and I'll make arrangements to pay for your time and trouble.

Thanks,
Tom N1TR
(757)622-4785 home
(757)558-6728 work

Date: Sat, 13 Jun 1998 18:30:24 -0700
From: "Harvey D. D. Hetland" <n6mm@earthlink.net>
To: QRP-L@Lehigh.EDU
Subject: [13076] Re: Tuned ground systems
Message-ID: <358327B0.4D56@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

While in graduate school back in the dark ages I worked as an associate for a broadcast engineering consultant. I got involved with a project involving a two tower directional array with 120 #10 AWG radials under each tower. The flood control district was re-working the grade on a nearby flood channel in a desert area noted for flash flooding. Nearly all of the radials on one of the towers had to be pulled up, the sand graded with D6 bulldozers and then the radials reinstalled under the sand while the station remained on the air. Temporary radials were stretched over freshly graded areas until they could be set under the sand using a tractor with a pipe fitted along side a single tilling tool. Yes, I had the task of the 4-400A finals transmitter having to be "dipped" periodically during this process.

Much of my job was to oversee the removal and the clearing of about one quadrant at a time for grading. The station was 1.0 kW output before the FCC changed the rules for 125% postive peak modulation, so the peak output power was approximately 4 kW. While moving the radials around I do not remember noticing so much the high voltage at the outer ends of the quarterwave radials. However, when stretching out a temporary radial over the freshly graded areas I was careful not to get between the radial to be connected and the ground screen at the base of the tower! The radial was first connected with a good sized clip lead to the copper ground strap using one hand and then the connection was made with hardware. Later the permanent radials would be silver soldered to the strap.

With radials about 200 feet long and 3 degrees of angle between the 120 radials under each tower there was about 10 feet of separation at the far ends of the radials and the current was probably pretty well distributed between the total of 240 radials. Therefore, the voltage was not as high at the ends, even when out of the ground and laying on the desert sand, as might be the case in an amateur radio installation with only about four radials and a few hundred watts of power.

I have been thinking of building a current probe, similar to one in the ARRL Handbook, to use with the radials on my 160m inverted L antenna. I notice that Palomar has a current probe advertised in QST. Has anyone on the list tried using such a probe to determine if the current is evenly distributed in their radials, for tuning the radials, or finding metal objects in the near area with current flow and hence probably distorting the radiation pattern? I have had difficulty tuning radials below 3.0 MHz with my Millen grid dip oscillator, due to the shallow dip at the lower frequencies. Later in the summer I would like to tune some shorter radials using inductive loading. Maybe, then I'll be able to work Ed, WE6W, in the Fall QRP ARCI Contest on 160m.

73, Harvey, N6MM

Date: Sat, 13 Jun 1998 19:45:19 +0000
From: "Frank G3YCC" <g3ycc@g3ycc.prestel.co.uk>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>, MelEvansGM6JAG@compuserve.com
Subject: [13077] Re: More on have a laugh anyway
Message-ID: <E0ykvJI-00025l-00@hen.scotland.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

> Date: Sat, 13 Jun 1998 05:57:37 -0400
> Reply-to: MelEvansGM6JAG@compuserve.com
> From: Mel Evans <MelEvansGM6JAG@compuserve.com>
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Subject: More on have a laugh anyway
> X-To: qrp-l <qrp-l@Lehigh.EDU>

> This is commemorated (perpetuated) in the West of Scotland where the ship
> that goes out at night into the Irish Sea to dump the harmless residue of
>
... and so that's how Ireland was born!
:>)
--73--
Frank G3YCC G QRP 042
email: g3ycc@g3ycc.prestel.co.uk
QRP web Site: http://www.homeusers.prestel.co.uk/g3ycc/
Packet: G3YCC@GB7HUL

Date: Sat, 13 Jun 1998 14:45:22 EDT
From: RangerSF5@aol.com
To: qrp-l@Lehigh.EDU
Subject: [13078] some what communications related
Message-ID: <84bbcd98.3582c8c3@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi Gang
Some one gave me a new looking fax machine # PAX 200H with a built in answering machine.
The machine looks as if is supposed to take two rolls of paper to operate properly.
It's a pricy looking unit and If I can get it going,I have a buyer and that will give me some extra qrp goodie funds.
Anyone out there own one of these machines?
BTW,The name on the unit is Quasar but I have a feeling it may have been made By Panasonic and I tried the URL but nothing about this machine.
Many thanks in advance
Bob
WA2HOQ
100% MFJ QRP

Date: Sat, 13 Jun 1998 12:56:11 -0600 (MDT)
From: af852@rgfn.epcc.edu (William R Colbert)
To: qrp-l@Lehigh.EDU, MelEvansGM6JAG@compuserve.com
Subject: [13079] Caravan Adventures of Mel, GM6JAG
Message-ID: <199806131856.MAA11898@rgfn.epcc.edu>

Mel, that was a good laugh. Any thoughts of forwarding that to Fordyce Maxwell at the Scotsman for inclusion in the Scotsman's Diary? His column has been a bit lacking recently and your adventures would really give it some substance.
73, Ray

--
Ray Colbert, W5XE
OOTC 3618, SOWP 1064M
El Paso, Tx (FAR WEST TEXAS!)
also: w5xe@juno.com

Date: Sat, 13 Jun 1998 16:03:52 EDT
From: Ab7wy@aol.com
To: qrp-l@Lehigh.EDU
Subject: [13080] Re: More on have a laugh anyway
Message-ID: <3b66cfe1.3582db29@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

whoa!! easy now brothers, lets not have a border shoot-out :-)

Date: Sat, 13 Jun 1998 16:11:06 EDT
From: Ab7wy@aol.com
To: qrp-l@Lehigh.EDU
Subject: [13081] Re: A sincere apology.
Message-ID: <463efce3.3582dcdb@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

no offense taken mike, i rather enjoyed the story. ill always be up for a
funny story and im sure most can handle the content. as you are, i am also a
dedicated qrp op. hey, no harm, no foul here. see you on the bands :-)) 72
Adam   AB7WY

Date: Sat, 13 Jun 1998 16:28:18 -0400
From: Michael Neverdosky <MichaelN@cycat.com>
To: qrp-l mailing list <qrp-l@Lehigh.EDU>
Subject: [13082] TS-130S followed me home.
Message-ID: <3582E0E2.55CA4FFF@cycat.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

At a local tailgate party today a nice little TS-130S decided to
come home with me, along with a power supply, VFO-120 and a few
other goodies.

I am looking for the CW filter for the TS-130S, also the operating
and service manuals.

Is the YC-88 the right part for a narrow CW filter for this rig?
Are they still available?

I expect I will be able to get the manuals from Kenwood, but won't
know until Monday at least.

It is nice to have a solid rig on my bench again, now you might hear
me on the bands a little more often. :-)
Just listen for the rusty fist sending QRS. :-))

thanks

michael N6CHV (now in central Florida)

Date: Sat, 13 Jun 1998 14:38:29 -0400
From: "Jay Heffner" <cjayheff@erols.com>
To: <qrp-l@Lehigh.EDU>
Subject: [13083] Re: 28 gauge test
Message-ID: <01bd96fa$754f3ec0$036aaccf@scs-micron1.eng.usps.gov>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yea, if you think that is bad, ya'll should hear me and my teenage buddies
(I'm 14) when we get together. ;^)

73/72,
Craig, KF4NYZ
-----Original Message-----
From: Bruce R. Arnold <barnold@coastalnet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Saturday, June 13, 1998 1:56 PM
Subject: Re: 28 gauge test

>Please, lighten up. When I was a young lad, I knew that females had a
>different anatomy then males. This story was not raunchy, vulgar,
>lubricious, or provocative. Just humorous.
>Bruce N8UTY
>----------
>> From: Chuck Adams <adams@chuck.dallas.sgi.com>
>> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

>> Subject: Re: 28 gauge breast test
>> Date: Saturday, June 13, 1998 7:38 AM
>>
>> The next person that brings up this topic again will be
>> banned from the list. This is not the time or the place
>> for this. Remember that we have young people here.
>>
>> You guys know better than this.
>>
>> FYI
>> Chuck Adams K5FO Dallas,TX   CP-60
>> http://reality.sgi.com/adams adams@sgi.com
>>
>
>

Date: Sat, 13 Jun 1998 17:11:26 -0400
From: jim <kw3u@warwick.net>
To: ku7y@dri.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [13084] Re: Not QRP, Telephone wiring question
Message-ID: <3582EAFE.5947@warwick.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Monte Stark wrote:
>
> Hi all,
>
> I just had a second phone line turned on. It should be
> at the wall jacks now.
>
> Being the cheapskate I am, I said I'd fix the jacks in
> the house. :-)
>
> Here is what I have for the old number.
>
> On the RJ11 back plate the Red wire going to the RJ11 jack
> goes to "Y" and the Green wire going to the RJ11 jack goes
> to "B".
>

> I am assuming that to install another RJ11 jack for the
> second phone (device) I would connect the Red and Green
> wires from the second jack to the "R" and "G" posts of
> the first back plane.
>
> Is that right?
>
> And I've heard that almost all new devices are no longer
> polorized and to me that means that it shouldn't matter
> if it was the Red going to "R" or "G".
>
> Is that right?
>
> Thanks in advance,
>
> 73, Ron,   SOWP 5545M,
>
> ....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
> ....ku7y@sage.dri.edu...........Washoe Lake, Nevada....
> ....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Ron there is no simple answer based on the variables like
how many lines/jacks you all ready have working, and if
the initial/mods within the house may have split/reused
any of the red/green or yel/black wires or any runs of
the newer multipair wire. the good news is only two of
the incoming wires are dial-tone no matter the color so
a tone generator at the outside NID shud help u find
everything...I have seen two techs spend a full day at $52
an hour straighting out some real ratsnests in folks homes.
Isn't deregulation fun?/   back to the key,,,Jim

Date: Sat, 13 Jun 1998 15:11:13 -0600
From: "Steve Hurst" <shurst@magiclink.com>
To: <qrp-l@Lehigh.EDU>
Subject: [13085] ATTN. W8ERV !!!
Message-ID: <199806132109.RAA36596@nss4.cc.Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Erv,

Please give me your new URL, so I can update my links page !! Sorry to the
list for this web site babble , but I knew of no other way to contact ERV

!! 1000 pardons please .... Hey .... I am thinking about an OHR-100A rig
, so that's qrp ...... right ????   Anyone care to comment on the OHR ?
TNX again for the BW

73,
Steve Hurst
KA7NOC (southern Idaho)
http://www.magiclink.com/web/shurst
shurst@magiclink.com

" I'm cooler than you are. Why don't you fix your little problem and light
this candle ?"
Alan B. Shepard

Date: Sat, 13 Jun 1998 17:20:13 -0400 (EDT)
From: Bob Patten <n4bp@bc.seflin.org>
To: "Bruce R. Arnold" <barnold@coastalnet.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [13086] Re: 28 gauge test
Message-ID: <Pine.3.89.9806131729.C4108-0100000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 13 Jun 1998, Bruce R. Arnold wrote:

> Please, lighten up. When I was a young lad, I knew that females had a
> different anatomy then males. This story was not raunchy, vulgar,
> lubricious, or provocative. Just humorous.
>
I would have to agree, Bruce. The warning seemed overly harsh, or maybe
I missed a touch of sarcasm/humor in the message..

       73,
                    ,'' '',
     Bob Patten, N4BP   (0 0)   Plantation, FL
_____________________________oOOo-(_)-oOO_____________________________________

                         E-Mail: n4bp@bc.seflin.org
              Web Page: http://wg104a.wh.uni-stuttgart.de/~n4bp
                     Brass Pounder BBS: (954) 472-7715

Date: Sat, 13 Jun 1998 17:31:23 EDT
From: n4so@juno.com (charles k brown)
To: qrp-l@Lehigh.EDU
Subject: [13087] 28 Mhz beacons
Message-ID: <19980613.213027.7135.2.n4so@juno.com>

Only one beacon heard on 28 Mhz today- K5AB in Austin,
TX running 20 w to a GP.
South Americans are on the low end on upper side band at about 28.005.
They act as indicators for propagation to South America which peaks
roughly in the Central USA
1900 to 2100Z.
Ken Brown, N4SO
QTH nr Mobile, AL/ EM50tk
qrp-l #622
n4so@juno.com

_____
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Or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 13 Jun 1998 16:49:14 -0500
From: Jim <kj5tf@madisoncounty.net>
To: qrp-l@Lehigh.EDU
Subject: [13088] 6 meter QRP vote with your fists
Message-ID: <3582F3DA.78E5@madisoncounty.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

6 meters is allot of fun if you have a rig for that band... QRP is a
real blast! Today I wrked N7ML, K0ND, and VE5UF with 2w and a 2 ele quad
only 8' off the ground. The rotor motor is not wrking so wasnt able to
zero in on the beam..
Oh, SSB stations dont seem to mind wrking a CW QRP stn one bit - in fact
everyone of them said, "the CW stn only please" !! cool !!
                      Jim KJ5TF - ARQRP #2

Date: Sat, 13 Jun 1998 17:51:17 EDT
From: ARDUJENSKI@aol.com

To: qrp-l@Lehigh.EDU
Subject: [13089] TUNED GROUND RESPONSE
Message-ID: <573e922b.3582f457@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

There is an article contained in bill Orr's book entitled VERTICAL ANTENNAS on page 47. He states

...*an effeective way to place a far away ground point directly at the radio equipment is to use a SERIES TUNED ground lead. This circuit when properly adjusted, reduces electrical ground lead to virtually zero. An inductor and variable capacitor are placed in series with the ground lead at the equipment

The capacitor is adjusted to provide series resonance of the ground lead at the operating frequency. Resonance is established by placing an rfthrmocouple ammeter in the ground and adjusting the capacitor for maximum ground current during transmission.

If the thermo couple meter is not available use a low voltage lightbulb. Tune for brilliance. Once resonance is obtained the bulb needs to be shorted out. If you change frequencies you need to retuned. If you operate on several bands then a tapped coil will be necessary.*

Why is a short rf ground necessary? long ground wires can have high reactance and can isolate the equipment from true ground giving you poor transmission properties. If your antenna is not performing it might be your ground.

How long is too long a ground? Orr point out for 160M 16 ft is max and for 20M about 2 ft.....

Remember that for monopoles the ground and antenna act as two resistors in series. For short verticals the antenna may be only 20-30 ohms. High ground resistance say 20-30 ohms will result in 50 percent of your signal warming the worms.

I am not an antenna expert...just sharing some things I have learned recently...
Alan KB7MBI

End of QRP-L Digest 1121
****